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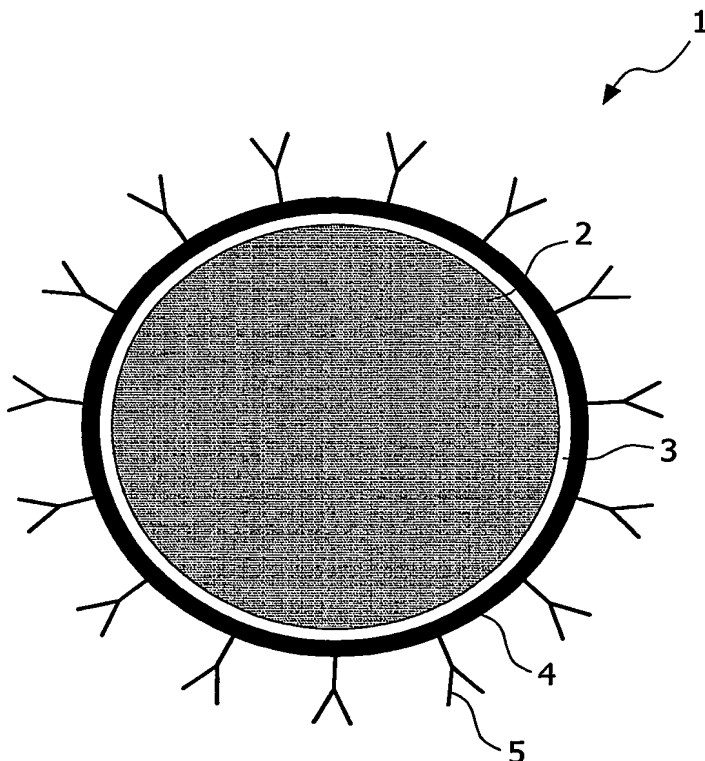
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(54) Title: **CONTRAST AGENT FOR MEDICAL IMAGING TECHNIQUES AND USAGE THEREOF**



(57) Abstract: A contrast agent for medical imaging techniques is described, comprising particles consisting of at least a core, the core comprising at least an oxide, mixed oxide, or hydroxide of specific elements. The particles optionally comprise shells containing or consisting of precious metal, radioactive isotopes, bio-compatibility agents, and/or antibodies. The applied imaging techniques comprise in particular magnetic resonance tomography (MRI), magnetic particle imaging, positron emission tomography (PET), single photon emission computed tomography (SPECT), computed tomography (CT), and ultrasound (US).

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